

Converting Colors

XYZ(23.7980, 20.9853, 22.5741)

Have a look what the booklet for
XYZ(23.7980, 20.9853, 22.5741)
contains.

XYZ(23.8013, 20.9359, 22.5252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8013, 20.9359,
22.5252)**

Conversions

Conversions Part 1

Format	Color
Hex	9D737E
RGB	157, 115, 126
RGB Percent	62%, 45%, 49%
CMY	0.3843, 0.5490, 0.5059
CMYK	0.00, 0.27, 0.20, 0.38
HSL	344°, 18%, 53%
HSV	344°, 27%, 62%
XYZ	23.8013, 20.9359, 22.5252
YIQ	128.8120, 21.5010, 12.3250

Conversions

Conversions Part 2

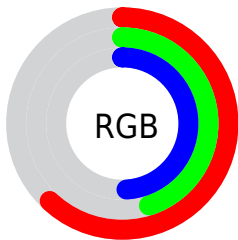
Format	Color
R _Y B	157, 115, 126
Decimal	10318718
CIE Lab	52.88, 18.26, 0.47
CIE LCh	53, 18.268, 1.479
Yxy	20.9359, 0.3539, 0.3113
Android (android.graphics.Color)	4288508798 (0xFF9D737E)
YUV	128.8120, -1.3863, 24.7209
Hunter-Lab	45.7558, 12.7798, 2.8410

Details

The XYZ color **23.8013, 20.9359, 22.5252** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.3164, 29.8348, 31.6727**, and the grayscale version is **20.8004, 21.8836, 23.8313**.

A 20% lighter version of the original color is **49.1068, 44.8892, 48.7241**, and **9.1135, 7.4355, 7.9760** is the 20% darker color. If you saturate the color by 10%, you get **21.4562, 17.3738, 18.2654**, and if you desaturate by 10%, it is **26.5391, 25.1444, 27.3439**.

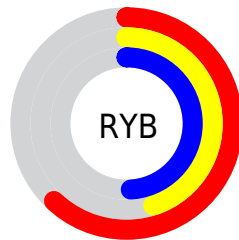
Distribution



Red (62%)

Green (45%)

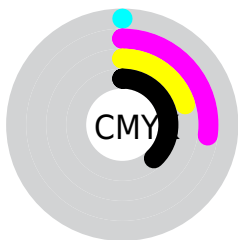
Blue (49%)



Red (62%)

Yellow (45%)

Blue (49%)

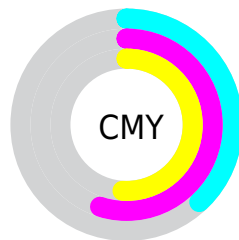


Cyan (0%)

Magenta (27%)

Yellow (20%)

Black (38%)



Cyan (38%)


Magenta (55%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8013, 20.9359, 22.5252 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.8013, 20.9359, 22.5252 by changing the saturation by 10% instead.


 23.8013, 20.9359,
22.5252


 23.8013, 20.9359,
22.5252


264.2735,
256.9376, 278.3193


 15.3102, 13.0772,
14.0413


 49.1628, 44.9808,
48.5258


 9.1251, 7.4817,
8.0103


 66.7639, 61.9358,
66.8796

 4.8807, 3.7651,
4.0137


 88.1325, 82.6916,
89.3604

 2.2114, 1.5431,
1.6329

 113.6337,
107.6327, 116.3869

 0.7488, 0.3188,
0.3141

143.6331,
137.1435, 148.3774

 0.0000, 0.0000,
0.0000

178.4960,

171.6083, 185.7507

218.5877,
211.4116, 228.9251

■ 23.8013, 20.9359,
22.5252

■ 23.8013, 20.9359,
22.5252

■ 21.4562, 17.3738,
18.2654

■ 26.5391, 25.1444,
27.3439

■ 19.4837, 14.4232,
14.5424

■ 29.6851, 30.0263,
32.7397

■ 17.8645, 12.0501,
11.3348

■ 33.2560, 35.6105,
38.7316

■ 16.5768, 10.2163,
8.6190

■ 37.2669, 41.9233,
45.3374

■ 15.5961, 8.8787,
6.3695

■ 41.7324, 48.9898,
52.5740

■ 14.8946, 7.9874,
4.5582

■ 46.6663, 56.8337,
60.4577

■ 14.4315, 7.4675,
3.1511

■ 52.0817, 65.4779,
69.0042

■ 14.3070, 7.3291,
2.7686

■ 57.9915, 74.9441,
78.2288

■ 63.9901, 84.4183,
88.0069

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.3039, 20.9359, 28.1964



23.8013, 20.9359, 22.5252



23.1987, 20.9359, 17.7319

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.8013, 20.9359, 22.5252



18.0419, 20.9359, 14.9497



18.1961, 20.9359, 33.3440

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.8013, 20.9359, 22.5252



24.3164, 29.8348, 31.6727

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.9279, 20.9359, 28.7418



23.8013, 20.9359, 22.5252



16.8429, 20.9359, 18.1327

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.8013, 20.9359, 22.5252



19.8043, 20.9359, 13.8138



16.4483, 20.9359, 23.0682



19.9939, 20.9359, 35.0115

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.8013, 20.9359, 22.5252



22.2753, 20.9359, 15.5162



16.4483, 20.9359, 23.0682



17.6979, 20.9359, 32.0561

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.8019, 20.9369, 22.5256



52.3260, 52.4709, 57.2121



24.0358, 20.7895, 34.6446



11.3309, 11.2611, 12.2772



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.8019, 20.9369, 22.5256



40.0789, 33.6156, 35.7459



24.3082, 23.0235, 19.3836



6.7008, 6.6732, 7.2757



11.6332, 5.9579, 2.3196



0.2239, 0.1129, 0.1250

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.8019, 20.9369, 22.5256



40.0789, 33.6156, 35.7459



23.6217, 27.0096, 35.8670



6.7008, 6.6732, 7.2757



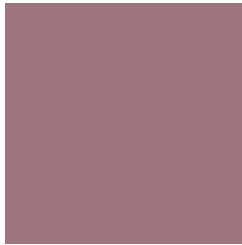
11.6332, 5.9579, 2.3196



0.2239, 0.1129, 0.1250

Previews

White Background



This preview shows how the XYZ color 23.8013, 20.9359, 22.5252 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 23.8013, 20.9359, 22.5252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

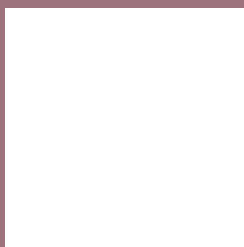
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8013, 20.9359, 22.5252

Background



This preview shows how black text looks on a background with the XYZ color 23.8013, 20.9359, 22.5252.



This preview shows how white text looks on a background with the XYZ color 23.8013, 20.9359,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.8013, 20.9359, 22.5252

Protanopia

20.3781, 21.0997, 24.8284

Deuteranopia

21.3087, 20.8887, 22.3109



Tritanopia

23.6735, 20.8848, 21.8522

Trichromacy



Original Color

23.8013, 20.9359, 22.5252

Protanomaly

21.4700, 20.9340, 24.0282

Deuteranomaly

22.1526, 20.7853, 22.2464

Tritanomaly

23.7370, 20.9102, 22.1870

Monochromacy



Original Color

23.8013, 20.9359, 22.5252

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.7514, 21.4628, 23.4184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8013, 20.9359, 22.5252 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(157, 115, 126)` looks like.

```
.text, #text, p{  
    color:rgb(157, 115, 126)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(157, 115, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 115, 126) }
```

Border

The CSS property to change the border of an element to XYZ 23.8013, 20.9359, 22.5252 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 115, 126) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(157, 115, 126) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(157, 115, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 115, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 115, 126);  
box-shadow:4px 4px 4px 4px rgb(157, 115,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8013, 20.9359, 22.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 115, 126) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(157,  
115, 126) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor